The new Cat® D5 succeeds the renowned D6N with superior performance and the broadest choice of technology features to help you get the most from your dozer. Nimble and responsive, it has power for dozing and finesse for grading. The fully automatic transmission gives you seamless acceleration, so you can get the job done quickly.

Next Generation Performance, Automatically
• Harness added weight and horsepower to take on a wide range of dozing and grading tasks.
• Improved steering, tighter turning radius, quicker turns at the end of each pass help you finish jobs faster.
• Fully automatic 3-speed transmission gives you seamless acceleration, faster cycle times and more nimble movement around the job site.
• No need to shift – just set your desired ground speed and the dozer adjusts for maximum fuel efficiency and power to the ground.
• Agility and ideal machine balance help you achieve high quality grades quickly.
• Take on heavier work with a new purpose-built push arm model.

New Level of Comfort, Visibility
• Completely redesigned, more spacious cab for a whole new standard in comfort and productivity.
• More glass area, steeper hood angle provide 30% better forward visibility than the previous model.
• New 10-inch (254 mm) touchscreen display with easy-to-use operator interface.
• Standard High Definition rearview camera shows prominently in the main display.
• Key Features button in the display gives you an overview of machine and technology features, along with some helpful operating tips.
• Wider air suspension seat has multiple adjustments for personalized comfort.
• Entire armrest adjusts forward and backward independent of the seat.
• Distributed cab heating/cooling circulates air more effectively around the operator and helps reduce window fogging/frosting.
• More storage spaces throughout the cab.

Technology to Save You Time, Boost Your Profits
• Cat GRADE with Slope Assist™ automatically maintains pre-established blade position without a GPS signal – no additional hardware or software needed.
• Cat GRADE with 3D is now faster, more accurate and more flexible; position sensing cylinders are eliminated and there are no masts.
• New GRADE operator interface is more intuitive and easier to use. 10-inch (254 mm) touchscreen, Android OS platform, operates like a smart phone.
• Better theft protection with smaller antennas integrated into the cab roof and GPS receivers mounted inside the cab.
• AutoCarry automates blade lift to help you maintain consistent blade load and help reduce track slip.
• Slope Indicate shows machine cross-slope and fore/aft orientation right on the main display to help operators with slope work.
• Attachment Ready Option (ARO) comes from the factory with key sensors and wiring installed so you can easily upgrade to a fully integrated grade control or blade mounted system.
• Next generation dozers give you optimal mounting locations and floor routing, making it simple to install the aftermarket grade control system of your choice.
Cat® D5 Track-Type Tractor

Boost Operator Efficiency
• Make the most of every pass with Blade Load Monitor to help you optimize blade capacity.¹
• Updated Stable Blade seamlessly works with operator inputs to help produce a smoother surface.
• Traction Control automatically reduces track slip to save you time, fuel and track wear.¹
• Power train automatically controls brakes, transmission and steering to provide tighter turns and help operators more easily work on slopes.

More Durability, Less Maintenance
• Heavier, more robust machine helps increase uptime and reduce overall operating cost.
• Hydraulic and electrical lines running to the blade are guarded for better protection.
• More robust track roller frame gives you added durability to take on heavier work.
• New Heavy Duty Extended Life undercarriage – HDXL DuraLink™ – offers up to 20% more seal life in high impact conditions.

Save Time on Regular Maintenance
• Up to 10% lower maintenance costs.
• Easy access to maintenance points and a new ladder at the back of the machine save you time on daily tasks.
• Reversible hydraulic demand fan helps remove debris while you work, saving cleanout and maintenance time.
• Extended filter life and longer life LED lights help save you time and money.
• Easy access under the cab floor if needed. Cab can be removed in about 30 minutes.

Telematics, Remote Services Connect You to Greater Efficiency
• Product Link™ collects machine data that can be viewed online through web and mobile applications.
• Access information anytime, anywhere with VisionLink® – and use it to make informed decisions that boost productivity, lower costs, simplify maintenance, and improve safety and security on your job site.
• The Cat App helps you manage your assets – at any time – right from your smartphone. See fleet location and hours, get critical required maintenance alerts, and even request service from your local Cat dealer.
• Remote Troubleshoot saves time and money by allowing your Cat dealer to perform diagnostic testing remotely.²
• Remote Flash updates on-board software without a technician being present, at a time that is convenient for you, potentially reducing update time by as much as 50%.²

Saved Settings, Added Security
• Application Profile lets you save machine settings based on application or operator preference – save multiple profiles for various jobs or multiple operators.
• Operator ID allows you to save machine settings and to track individual operator productivity, safety and training opportunities via Product Link.³
• Operator ID with Security helps prevent theft and unauthorized operation by requiring an operator to enter an ID to start the machine.³

All comparisons to previous model D6N.
¹ Feature not operational indoors or in areas where a GPS signal is not available.
² Contact your Cat dealer for availability date by machine model.
³ Can be enabled by dealer technician.
### Standard and Optional Equipment

Standard and optional equipment may vary. Consult your Cat dealer for details.

#### POWER TRAIN
- Cat C7.1 diesel engine
- Fully-automatic 3-speed transmission
- Infinite ground speed adjustment

#### OPERATOR ENVIRONMENT
- Fully redesigned cab, sound suppressed, with Integrated Roll Over Protective Structure (IROPS)
- Full-color 10-inch (254 mm) touchscreen display
- Integrated rearview camera
- Comfort cab with fixed armrests
- Premium cab with adjustable armrests
- Cab mounted modular HVAC system
- Added storage areas
- Electrohydraulic implement and steering controls
- Cloth seat
- Deluxe leather heated/ventilated seat
- Communication radio ready
- Lights – 6 LED
- Premium lights – 12 LED
- Integrated warning lights
- Application Profile
- Operator ID/Operator ID with Security

#### CAT TECHNOLOGY
- Slope Indicate
- ARO with Slope Assist
- Updated Cat GRADE with 3D
- Full-color 10-inch (254 mm) touchscreen grade display
- AutoCarry
- Updated Stable Blade (included in ARO with Assist)
- Traction Control
- Blade Load Monitor
- Product Link, Cellular PLE 742, PLE743
- Product Link Elite PLE783 – Dual Cellular/Satellite

#### BLADES
- VPAT
- Semi-Universal
- Foldable VPAT
- Waste/Landfill

#### UNDERCARRIAGE
- Heavy Duty (HDXL with DuraLink) or SystemOne™
- Redesigned track roller frame
- Moderate Service or Extreme Service track shoes

For a complete listing of track shoe offerings, please refer to the D5 Technical Specifications brochure on cat.com.

#### SERVICE AND MAINTENANCE
- 30-minute cab removal
- Ecology drains
- Fast fuel fill ready
- Fast fuel pump
- Refilling fuel pump (EU only)
- Ground level service center
- High-speed oil change
- Hydraulic fan
- Hydraulic reversing fan
- Rear access ladder
- Remote Flash/Remote Troubleshoot
- Shovel holder
- Underhood work light

#### HYDRAULICS
- Independent steering and implement pumps
- Load sensing hydraulics

#### ATTACHMENTS
- Ripper-ready rear hydraulics
- Winch-ready rear hydraulics
- Ripper with straight or curved shanks
- Winch
- Drawbar
- Side screens
- Rear screen – hinged or fixed
- Sweeps
- Fine Grading arrangement
- Forestry and Waste special arrangements
- Fire Dozer configuration

Not all features are available in all regions. Please check with your local Cat dealer for specific offering availability in your area.

For additional information, refer to the Technical Specifications brochure available at www.cat.com or your Cat dealer.

For a full list of blade offerings, please refer to the D5 Technical Specifications brochure on cat.com.
Technical Specifications

**Engine**

<table>
<thead>
<tr>
<th>Engine Model</th>
<th>Cat C7.1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Emissions</td>
<td>U.S. EPA Tier 4 Final/ EU Stage V/ Japan 2014 (Tier 4 Final)/ Korea Tier 4 Final</td>
</tr>
<tr>
<td>Build Number</td>
<td>17A</td>
</tr>
<tr>
<td>Power Train</td>
<td>Fully Automatic 3-Speed</td>
</tr>
<tr>
<td>Net Power – 1,770 rpm</td>
<td></td>
</tr>
<tr>
<td>ISO 9249/SAE J1349</td>
<td>127 kW 170 hp</td>
</tr>
<tr>
<td>ISO 9249/SAE J1349 (DIN)</td>
<td>172 hp</td>
</tr>
<tr>
<td>Displacement</td>
<td>7.1 L 433 in³</td>
</tr>
</tbody>
</table>

- All non-road Tier 4 Interim and Final, Stage IIIB, IV and V, Japan 2014 (Tier 4 Final) and Korea Tier 4 Final diesel engines are required to use only Ultra Low Sulfur Diesel (ULSD) fuels containing 15 ppm EPA/10 ppm EU (mg/kg) sulfur or less. Biodiesel blends up to B20 (20% blend by volume) are acceptable when blended with 15 ppm (mg/kg) sulfur or less ULSD. B20 should meet ASTM D7467 specification (biodiesel blend stock should meet Cat biodiesel spec, ASTM D6751 or EN 14214). Cat DEO-ULS™ or oils that meet the Cat ECF-3, API CJ-4, and ACEA E9 specification are required. Consult your OMM for further machine specific fuel recommendations.

- Diesel Exhaust Fluid (DEF) used in Cat Selective Catalytic Reduction (SCR) systems must meet the requirements outlined in the International Organization for Standardization (ISO) standard 22241.

- The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential – 1430). The system contains 1.36 kg of refrigerant which has a CO₂ equivalent of 1.946 metric tonnes.

**Dimensions**

<table>
<thead>
<tr>
<th>Dimensions*</th>
<th>VPAT</th>
<th>LGP VPAT</th>
<th>VPAT Fine Grading</th>
<th>SU</th>
</tr>
</thead>
<tbody>
<tr>
<td>Track Gauge</td>
<td>1890 mm 74.4 in</td>
<td>2160 mm 85.0 in</td>
<td>1890 mm 74.4 in</td>
<td>1890 mm 74.4 in</td>
</tr>
<tr>
<td>Width of Standard Shoe</td>
<td>610 mm 24 in</td>
<td>840 mm 33 in</td>
<td>610 mm 24 in</td>
<td>610 mm 24 in</td>
</tr>
<tr>
<td>Width of Tractor (without trunnions)</td>
<td>2500 mm 98.4 in</td>
<td>3000 mm 118.1 in</td>
<td>2500 mm 98.4 in</td>
<td>2500 mm 98.4 in</td>
</tr>
<tr>
<td>Machine Height (to ROPS)</td>
<td>3085 mm 121.5 in</td>
<td>3200 mm 126.0 in</td>
<td>3200 mm 126.0 in</td>
<td>3085 mm 121.5 in</td>
</tr>
<tr>
<td>Length of Track on Ground</td>
<td>2562 mm 100.9 in</td>
<td>3116 mm 122.7 in</td>
<td>3116 mm 122.7 in</td>
<td>2562 mm 100.9 in</td>
</tr>
<tr>
<td>Length of Basic Tractor</td>
<td>3680 mm 144.9 in</td>
<td>4151 mm 163.4 in</td>
<td>4151 mm 163.4 in</td>
<td>3680 mm 144.9 in</td>
</tr>
</tbody>
</table>

With the Following Attachments, Add to Basic Tractor Length

<table>
<thead>
<tr>
<th>With the Following Attachments, Add to Basic Tractor Length</th>
<th>VPAT Blade, Straight</th>
<th>VPAT Blade, Angled 25°</th>
<th>VPAT Blade Foldable, Angled 31°</th>
<th>SU Blade</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1336 mm 52.6 in</td>
<td>1220 mm 48.4 in</td>
<td>1230 mm 48.4 in</td>
<td>N/A</td>
</tr>
<tr>
<td></td>
<td>1982 mm 78.0 in</td>
<td>2049 mm 80.7 in</td>
<td>1876 mm 73.9 in</td>
<td>N/A</td>
</tr>
<tr>
<td></td>
<td>2110 mm 83.1 in</td>
<td>2214 mm 87.1 in</td>
<td>2005 mm 78.9 in</td>
<td>N/A</td>
</tr>
<tr>
<td></td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

*SystemOne Undercarriage.

**Service Refill Capacities**

| Fuel Tank | 315 L 83.2 gal |
| DEF Tank | 16 L 4.2 gal |

<table>
<thead>
<tr>
<th>Operating Weight</th>
<th>Ground Pressure*</th>
</tr>
</thead>
<tbody>
<tr>
<td>VPAT</td>
<td>17 180 kg 37,875 lb 47.6 kPa 6.9 psi</td>
</tr>
<tr>
<td>LGP VPAT</td>
<td>19 170 kg 42,263 lb 32.6 kPa 4.7 psi</td>
</tr>
<tr>
<td>VPAT Fine Grading</td>
<td>17 780 kg 39,198 lb 41.4 kPa 6.0 psi</td>
</tr>
<tr>
<td>LGP Folding VPAT</td>
<td>19 440 kg 42,858 lb 32.9 kPa 4.8 psi</td>
</tr>
<tr>
<td>SU</td>
<td>17 340 kg 38,228 lb 48.2 kPa 7.0 psi</td>
</tr>
</tbody>
</table>

*For machine with ripper, add 1290 kg/2,844 lb.

**Blades**

<table>
<thead>
<tr>
<th>Capacity</th>
<th>Width</th>
</tr>
</thead>
<tbody>
<tr>
<td>VPAT</td>
<td>3.3 m² 4.3 yd² 3272 mm 10.7 ft</td>
</tr>
<tr>
<td>LGP VPAT</td>
<td>3.9 m² 5.1 yd² 4080 mm 13.4 ft</td>
</tr>
<tr>
<td>LGP VPAT Foldable</td>
<td>3.9 m² 5.1 yd² 4080 mm 13.4 ft</td>
</tr>
<tr>
<td>SU</td>
<td>4.3 m² 5.6 yd² 3164 mm 10.4 ft</td>
</tr>
<tr>
<td>SU – Narrow*</td>
<td>— — 3122 mm 10.2 ft</td>
</tr>
</tbody>
</table>

*Europe Only. Width with end bits removed.

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